

ABSTRACT

Process for securing a communication for a so-called «hands-free» access system

The process for securing a communication between a recognition device and an identification unit able to communicate with the recognition device by a data exchange determined by a recognition protocol, one of these items of data corresponding to a reference event, the process communicating in such a way that the recognition device can authenticate the identification unit so as to instruct the unlocking of openable panels of a vehicle and/or permit the starting of a vehicle and furthermore comprising:

- after an initialization time defined with respect to the reference event of the recognition protocol, a step of transmission by the recognition device of at least two transmission data,
- a step of transmission by the identification unit of at least two response data in response to the transmission data,
- a step of measuring a reaction time between the transmission of a data item and the reception of a corresponding response data item by the recognition device, and a step of verifying that the measured reaction time is less than a predetermined threshold

wherein the time interval between the transmission of two successive transmission data and/or the initialization time are/is made to vary randomly.

Figure to be published: Figures 4a and 4b